Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/02/2019 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125880	0	1.11	125972	1.12
Blue	F	SSC	125000	123636	-2	1.87	124410	1.78
Blue	E	FITC	16122	15633	-4	2.72	340	20.43
Blue	D	PE	29316	28639	-3	1.90	622	14.75
Blue	B	PerCP-Cy5-5	42590	42245	-1	3.71	1131	20.22
Blue	A	PE-Cy7	33146	33192	0	6.05	632	40.43
Red	C	APC	45473	44743	-2	2.41	1585	12.08
Red	A	APC-Cy7	31961	31064	-3	2.36	823	11.85
Violet	B	V450	7914	7442	-6	5.63	419	13.86
Violet	A	V500	29769	28617	-4	5.48	665	11.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20976	3.16	609	9	N/A	N/A	Pass
Blue	F	SSC	56226	1.31	552	14	N/A	N/A	Pass
Blue	E	FITC	61	65.09	540	3	0.0192	139	Pass
Blue	D	PE	130	49.99	542	5	0.1631	273	Pass
Blue	B	PerCP-Cy5-5	208	50.49	649	11	0.0093	91	Pass
Blue	A	PE-Cy7	116	102.05	701	10	0.0112	20	Pass
Red	C	APC	378	25.34	585	6	0.0246	166	Pass
Red	A	APC-Cy7	181	29.26	561	5	0.0058	1396	Pass
Violet	B	V450	64	62.90	467	7	0.0553	2658	Pass
Violet	A	V500	100	33.43	479	7	0.0227	705	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.28	-31.76	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	16.68	13.60 - 20.40	N/A	N/A	29.36	29.84	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9771

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments